

Recon[®] V

ULTRA LIGHT CONTINUOUS ZOOM
THERMAL BINOCULAR WITH GEO-LOCATION



APPLICATIONS

SPECIAL FORCES
BORDER PATROL
RECONNAISSANCE
SURVEILLANCE
SITUATIONAL AWARENESS
FORCE PROTECTION

FEATURES

Ultra Lightweight and rugged,
MIL-STD-810-C qualified
High resolution, large format 640x480
mid-wave InSb sensor (320 x 240 option)
Continuous Zoom
High Definition display
Internal GPS, DMC and LRF
Stabilization
Advanced User Interface

BENEFITS

Reduces operator fatigue for long duration missions
without sacrificing field hardening
Delivers unmatched image quality with built-in
STACE™ technology that digitally sharpens, tunes and
enhances contrast for exceptional image detail
Continuous Optical Zoom from 2° to 20°
HD Display delivers clean images and crisp
symbology
Provides geo-location of targets with eye safe
laser rangefinder
E-STAB improves operational effectiveness with no
image latency
Simplified controls are intuitive and minimize user
fatigue



High sensitivity thermal imagery





Recon® V

THERMAL IMAGING PERFORMANCE

Sensor	640 x 480 InSb
Wavelength	3.4 – 5.1µm
Cooler	Sub-Micro IDCA
Cool Down Time	~ 5 minutes
Telescope	10X Zoom 27-275mm
WFOV	20° x 15°
NFOV	2° x 1.5°

DISPLAY

Display Type	OLED, Full Color
Display Resolution	1280x720, (720p) 16:9
Frame Rate	60Hz
Image Controls	Cal, Pol, Auto/ Man Gain, Display, Auto Focus, Palettes
Symbology	Reticles, Batty Icon, Azimuth, Time/ Date

SYSTEM FEATURES

Global Positioning System (GPS)	C/A code
SAASM GPS	supports military GPS plug-in (optional)
Digital Magnetic Compass	360° Az, +/- 90° El, 0.2° resolution
Laser Rangefinder (LRF)	1.54 µm, Eyesafe, class 1, 10km
Laser Pointer (LP)	852 nm, Class 3B, .5/30mW (optional)
Image Storage	Yes, 1000 png
E-Stabilization	MEMS Gyro, No image latency
Standby	Auto, Proximity Sensor

PHYSICAL

Battery Type	AA Lithium
Run Time	6 hours (Hot Swap)
External Pwr	9-32VDC
Weight	4 lbs (with batteries)
Dimensions	8.7 x 7.4 x 3.5 (225Cu in)

INTERFACES

Video	NTSC/ PAL & HD-SDI
Serial Interfaces	1 ea. RS-232 (DAGR)
Serial Interfaces	2 ea. RS-232 or RS-422

STANDARD PACKAGE

Hard Case	Ruggedized Shipping Case
Soft Case	Padded Carry Bag
Batteries	2 sets, AA Lithium
Manuals	Operational, Quick Reference Card
Lens Kit	Cleaning Cloth, Brush
Video Cable	Standard HD-BNC
External Power	B/A-5590 Power Cable
AC Adapter	Power Supply with Cable

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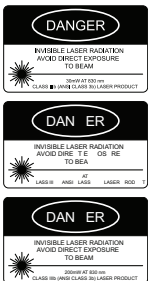
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STACE™
Digital Image Enhancement

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EXPORT

